

- (a) a nucleotide sequence encoding a polypeptide having cyclin delta activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:12 have at least 80% sequence identity based on the Clustal alignment method, or
- (b) the complement of the nucleotide sequence of (a).

92. (new) The polynucleotide of Claim 91, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:12 have at least 85% sequence identity based on the Clustal alignment method.

93. (new) The polynucleotide of Claim 91, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:12 have at least 90% sequence identity based on the Clustal alignment method.

94. (new) The polynucleotide of Claim 91, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:12 have at least 95% sequence identity based on the Clustal alignment method.

95. (new) The polynucleotide of Claim 91, wherein the amino acid sequence of the polypeptide comprises the amino acid sequence of SEQ ID NO:12.

96. (new) The polynucleotide of Claim 91 wherein the nucleotide sequence comprises the nucleotide sequence of SEQ ID NO:11.

97. (new) A vector comprising the polynucleotide of Claim 91.

98. (new) A recombinant DNA construct comprising the polynucleotide of Claim 91 operably linked to at least one regulatory sequence.

99. (new) A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 91.

100. (new) A cell comprising the recombinant DNA construct of Claim 98.

101. (new) A method for producing a plant comprising transforming a plant cell with the polynucleotide of Claim 91 and regenerating a plant from the transformed plant cell.

102. (new) A plant comprising the recombinant DNA construct of Claim 98.

103. (new) A seed comprising the recombinant DNA construct of Claim 98.

104. (new) A method of altering the level of expression of a cyclin delta in a host cell comprising:

(a) transforming a host cell with the recombinant DNA construct of Claim 98; and

(b) growing the transformed host cell under conditions that are suitable for expression of the recombinant DNA construct wherein expression of the recombinant DNA construct results in production of altered levels of the cyclin delta in the transformed host cell.

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105. (new) A method for production of a polypeptide having cyclin delta activity comprising the steps of cultivating the cell of Claim 100 under conditions that allow for the synthesis of the polypeptide and isolating the polypeptide from the cultivated cells, from the culture medium, or from both the cultivated cells and the culture medium.
